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| Form PTO-1449 (MODIFIED) | | U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE | | ATTY. DOCKET NO. 040447/0227 | | SERIAL NO. Unassigned | |
| INFORMATION DISCLOSURE CITATION <i>(Use several sheets if necessary)</i> | | | | APPLICANT Masaaki NISHINO, et al | | <div style="display: flex; align-items: center;"> <div style="writing-mode: vertical-rl; transform: rotate(180deg); font-size: small;"> 1615 U.S. Pat. 09/783033 </div> </div> | |
| | | | | FILING DATE December 11, 2000 | | | |

| U.S. PATENT DOCUMENTS | | | | | | | |
|-----------------------|-----|--------------------|------|------|-------|---------------|----------------------------------|
| EXAMINER INITIAL | REF | DOCUMENT NUMBER | DATE | NAME | CLASS | SUB- CLASS | FILING DATE IF APPROPRIATE |
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| FOREIGN PATENT DOCUMENTS | | | | | | | | | |
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| | REF | DOCUMENT NUMBER | DATE | COUNTRY | CLASS | SUB- CLASS | TRANSLATION | | |
| | | | | | | | YES | NO | |
| | A1 | 8-22343 | ✓ 1/23/96 | Japan | | | | Abstr. | |
| | A2 | 11-69214 | ✓ 3/9/99 | Japan | | | | Abstr. | |
| | A3 | 6-133081 | ✓ 5/13/94 | Japan | | | | Abstr. | |
| | A4 | 6-150069 | ✓ 5/31/94 | Japan | | | | Abstr. | |
| | A5 | 10-51665 | ✓ 2/20/98 | Japan | | | | Abstr. | |
| | A6 | 11-136554 | ✓ 5/21/99 | Japan | | | | Abstr. | |
| | A7 | 11-205761 | ✓ 7/30/99 | Japan | | | | Abstr. | |
| | A8 | 2587259 | ✓ 10/16/98 | Japan | | | | Abstr. | |
| | A9 | 3011657 | ✓ 3/22/95 | Japan | | | | Abstr. | |

| OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.) | | |
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Date Submitted: April 11, 2002

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| Application Number | 09/733033 |
| Filing Date | 12/11/2000 |
| First Named Inventor | Masaaki NISHINO |
| Group Art Unit | 2851 |
| Examiner Name | Unknown |
| Attorney Docket Number | 040447-0227 |

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| OTHER PRIOR ART – NON PATENT LITERATURE DOCUMENTS | | | |
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| Application Number | 09/733033 |
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| First Named Inventor | Masaaki NISHINO |
| Group Art Unit | 2851 |
| Examiner Name | Unknown |
| Attorney Docket Number | 040447-0227 |

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